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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/726,771	12/02/2003	Arjan Durresi	18525.04069	4198	
24024	7590 01/30/2006		EXAM	EXAMINER	
CALFEE HALTER & GRISWOLD, LLP			NGUYEN, TU T		
800 SUPERIOR AVENUE SUITE 1400 CLEVELAND, OH 44114			ART UNIT	PAPER NUMBER	
			2877		

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/726,771	DURRESI ET AL.
Office Action Summary	Examiner	Art Unit
	Tu T. Nguyen	2877
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was period to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
 1) ⊠ Responsive to communication(s) filed on 09 Ja 2a) ☐ This action is FINAL. 2b) ☒ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-14 and 16-20 is/are pending in the a 4a) Of the above claim(s) is/are withdrav 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-14,16-20 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.	
Application Papers		
9) ☐ The specification is objected to by the Examine. 10) ☑ The drawing(s) filed on <u>02 December 2003</u> is/an Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction.	re: a) \square accepted or b) \boxtimes object drawing(s) be held in abeyance. Section is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)	∆	(PTO 412)
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-14,16-20 have been considered but are most in view of the new ground(s) of rejection.

Drawings

Figures 1-2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-14,16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshida (5,767,956) in view of Applicant Admitted Prior Art fig 1 (AAPA hereinafter).

With respect to claims 1,14,19, Yoshida discloses a method for determining a quality of an optical fiber (abstract, line 3, "detecting deterioration"). The method comprises: identifying a known signal (column 3, lines 50-52 "a generated signal"); transmitting and receiving the signal over an optical fiber (column 3, lines 59-60, "detector"); comparing the received signal to the known signal using correlation (column 3, lines 55-67); measuring a position of a failure point (column 5, lines 45-50).

Yoshida discloses detecting the deterioration (or the quality) of the fiber (abstract). However, Yoshida does not explicitly disclose using an optical correlation to detect the quality of the fiber link as claimed. AAPA discloses a known optical correlation method for determining the quality of an optical link (fig 1). It would have been obvious to modify Yoshida with the optical correlation taught by AAPA to make method more accurate.

With respect to claims 2-3, Since AAPA discloses using a summer (fig 1) for correlating the signals, the claimed integrating functions would have been obvious a modification of the summer taught by the AAPA. It would have been obvious to modify AAPA with different methods for detecting different characteristics of the link.

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With respect to claims 4-7,16-18, it would have been obvious a design choice to modify Yoshida to detect the characteristics of the link as claimed for different testing purposes.

With respect to claim 8, AAPA discloses a plurality of taps S0 ... Sn having a delay line.

With respect to claims 9-10,20, Yoshida does not disclose the claimed bit periods. However, it would have been obvious to modify Yoshida to complete the correlation in the claimed periods for using the system in different environments.

With respect to claims 11-13, Yoshida discloses determining deterioration of the fiber by evaluating the shape of the correlation (fig 5A, fig 5B and fig 7). However, Yoshida does not disclose the claimed evaluating method. It would have been obvious to modify Yoshida with the evaluating method as claimed for using the system with different types of links.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu T. Nguyen whose telephone number is (571) 272-2424. The examiner can normally be reached on T-F 7:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Toatley Jr. can be reached on (571) 272-2800 Ext. 77. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu T. Nguyen
Primary Examiner
Art Unit 2877

01/24/2006